
**Fine bubble technology — Sampling
and sample preparation for
measurement —**

**Part 1:
Ultrafine bubble dispersion in water**

*Technologie des fines bulles — Échantillonnage et préparation des
échantillons pour la réalisation de mesures —*

Partie 1: Dispersion de bulles ultrafines dans l'eau

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This document was prepared by Technical Committee ISO/TC 281, *Fine bubble technology*.

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Introduction

Fine bubble technologies offer performance enhancement in a number of processes and applications such as cleaning, aquaculture and agriculture.

Characterization of ultrafine bubbles is critical to the further development of industrial applications. A number of characteristics such as bubble size, bubble number stability, bubble number concentration as well as other physical and chemical characteristics are important in such applications. In order to provide a verifiable characterization platform for these applications, a set of sampling and sample preparation procedures has been developed. This approach results in the most reliable correlation between the characteristics of the fine bubbles in dispersion and their application effectiveness.

It is commonly accepted that the sample preparation technique will depend on the characterization technique used.

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